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United States Patent [19]**MacGilp et al.**[11] **Patent Number:** **5,296,158**[45] **Date of Patent:** * **Mar. 22, 1994**[54] **STABLE MILD LIQUID SOAP PERSONAL CLEANSER**[75] **Inventors:** Neil A. MacGilp; Kathleen G. Baier; Richard M. Girardot; Efrain Torres, all of Cincinnati, Ohio[73] **Assignee:** The Procter & Gamble Company, Cincinnati, Ohio[*] **Notice:** The portion of the term of this patent subsequent to Sep. 15, 2009 has been disclaimed.[21] **Appl. No.:** 763,793[22] **Filed:** Sep. 23, 1991**Related U.S. Application Data**

[63] Continuation-in-part of Ser. No. 665,620, Mar. 5, 1991, Pat. No. 5,147,574.

[51] **Int. Cl.⁵** C11D 9/02; C11D 9/04; C11D 17/08[52] **U.S. Cl.** 252/108; 252/142; 252/173; 252/DIG. 5; 252/DIG. 14; 252/370[58] **Field of Search** 252/108, 142, 173, DIG. 5, 252/DIG. 14, 370[56] **References Cited****U.S. PATENT DOCUMENTS**

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[57]

ABSTRACT

The present invention relates to a very mild, stable, liquid dispersoidal cleansing composition comprising: 55% to 90% water; 5% to 20% saturated (low IV) higher (high titer) fatty acid potassium soap; 2.5% to 18% of free fatty acids; said soap and said free fatty acids having a ratio of about 1:0.3 to 1:1; and wherein said liquid cleanser has a viscosity of 4,000 cps to about 100,000 cps at about 25° C.; and wherein said liquid cleanser is phase stable. The stable, mild liquid cleanser is preferably contained in a container having a pressure actuated pump. The composition is preferably made by the steps of:

1. heating and mixing an aqueous mixture of said potassium fatty acid soap and said free fatty acid to provide a stable melt;
2. cooling the melt to about room temperature;
3. diluting said cooled melt with water to provide said dispersoidal liquid.

17 Claims, No Drawings